2.2 Using the Tangent Ratio to Calculate Lengths

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irect measurement: Use a measuring instrument to determine a length or L

indirect measurement: use mathematical measuring to calculate length or L * Using method It

in a right triangle, we can use the tangent ratio to write an equation

> \(\text{a cute angle} + 1 \) of the lengths = solve for the missing length



x.#1 Determine the length of XY $\frac{? opp.}{x} \quad ton (70°) = \frac{x}{opp} = \frac{x}{5}$ tan 70 = x9 €

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